Electromagnetic Spectrum

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| **Across**  **2.** the part of the EM spectrum that human eyes can see  **8.** electromagnetic waves with the highest frequencies  **10.** a type of wave that does not require a medium to travel; a disturbance that transfers energy through a field  **12.** electromagnetic waves with the lowest frequencies | **Down**  **1.** the range of all electromagnetic frequencies  **3.** EM waves with frequencies above visible light and below x-rays  **4.** EM waves that are used in radar and cell phones  **5.** EM waves with frequencies between ultraviolet light and gamma rays  **6.** the passage of a wave through a medium  **7.** EM waves with frequencies between microwaves and visible light  **9.** a tool that uses refraction to separate the wavelengths that make up light  **11.** he emission or transmission of energy in the form of waves or particles through space or through a material medium |

   radiation       infrared light        radio waves        electromagnetic spectrum        electromagnetic wave        ultraviolet light        x-rays        gamma rays        transmission        prism        visible light       microwaves